

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1-5. (cancelled)

6. (New) Apparatus for converting a vertically focusing binocular microscope to a horizontally focusing binocular microscope, comprising:

- a) a horizontal rotating bar adapted to connect with the vertically focusing binocular microscope;
- b) a bushing adapted to selectively allow rotation in a horizontal plane and selectively allow horizontal movement in a horizontal plane of the horizontal rotating bar; and
- c) a bushing having a first part adapted to selectively allow vertical movement in a vertical plane along a vertical sliding bar and a second part that is holding the bushing,

wherein the vertically focusing binocular microscope may be focused horizontally.

7. (New) A test tube holder comprising:

- a) a plate, the plate having a plurality of tube seats and a groove circumscribing at least a portion of the exterior of the plate, the groove being of sufficient depth to intersect at least a portion of the tube seats, the groove adapted to receive a test tube friction holding elastic rubber ring;
- b) a screw rotatable by operation of a vertical adjustment handle; and
- c) a bushing connected with the plate and movable vertically by the screw,

wherein the elevation of the plate is adjustable by rotation of the vertical moving handle.

9. (New) A process of analyzing a sample immersed in liquid, comprising:

- a) providing a sample;
- b) providing a horizontally focusing binocular microscope;
- c) selecting a visual point in the sample;
- d) horizontally focusing on the visual point in the sample; and
- e) analyzing the sample using the horizontally focusing binocular microscope

10. (New) A process of analyzing a sample of gravitationally separated fractions, comprising:

- a) maintaining the sample in a vertical position;
- b) maintaining the sample in an undisturbed state to maintain the integrity of the gravitationally separated fractions;
- c) providing a horizontally focusing binocular microscope; and
- d) viewing the gravitationally separated fractions of the sample in a vertical and undisturbed state using the horizontally focusing binocular microscope.